

Sub 1
B1
1. (Amended) An organic-inorganic composite graded material which is an organic-inorganic composite material containing a composite in which an organic polymer compound and a metallic compound are chemically bonded to each other, and having a component-graded structure in which the content of the metallic compound in the material continuously changes in the depth direction from the surface of the material.

2. (Amended) The organic-inorganic composite graded material of claim 1, wherein the organic-inorganic composite material is a composite in which the organic polymer compound and the metallic compound are chemically bonded to each other.

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6. (Amended) The organic-inorganic composite graded material of claim 3 or 5, wherein the composite in which the organic polymer compound and the metallic compound are chemically bonded to each other is a hydrolysis product from a mixture of the organic polymer compound having a molecule containing a metal-containing group capable of bonding to a metal oxide by hydrolysis with a metal compound capable of forming a metal oxide by hydrolysis.

7. (Amended) The organic-inorganic composite graded material of claim 4 or 5, wherein the composite in which the organic polymer compound and the metallic compound are chemically bonded to each other is a hydrolysis product from a mixture of the organic polymer compound having a molecule containing a metal-containing group capable of bonding to a metal nitride polymer by hydrolysis with a metal nitride polymer.

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